

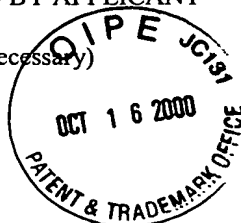
**FORM PTO-1449 U.S. Department of Commerce  
Patent and Trademark Office**

 Attorney Docket Number  
9220-2

 Serial No.  
09/607,122

**LIST OF DOCUMENTS CITED BY APPLICANT**

(Use several sheets if necessary)



Applicants: Herbert Edelsbrunner et al.

Filing Date: June 29, 2000

 Group  
2763

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1	6,046,744	04/04/00	Hoppe	345	419	
	2	5,966,141	10/12/99	Ito et al.	345	473	
	3	5,966,140	10/12/99	Popovic et al.	345	441	
	4	5,966,133	10/12/99	Hoppe	345	420	
	5	5,963,209	10/5/99	Hoppe	345	419	
	6	5,929,860	07/27/99	Hoppe	345	419	
	7	5,923,573	07/13/99	Hatanaka	364	578	
	8	5,903,458	05/11/99	Stewart et al.	364	468.04	
	9	5,850,229	12/15/98	Edelsbrunner et al.	345	473	
	10	5,768,156	06/16/98	Tautges et al.	364	578	
	11	5,668,894	09/16/97	Hamano et al.	382	242	
	12	5,555,356	09/10/96	Scheibl	395	134	
	13	5,552,992	09/03/96	Hunter	364	468.25	
	14	5,537,519	07/16/96	Vossler et al.	398	120	
	15	5,506,785	04/09/96	Blank et al.	364	468	
	16	5,357,599	10/18/94	Luken	395	134	
	17	5,278,948	01/11/94	Luken, Jr.	395	123	
	18	5,103,429	04/07/92	Gelchinsky	367	38	

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation Yes   No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

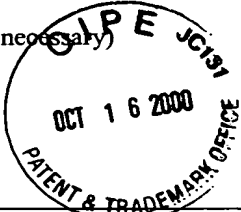
	19	Dey et al., "Topology Preserving Edge Contraction," Publications De L'Institut Mathematique, Vol. 66, No. 80, 1999, pp. 23-45					
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		Applicants: Herbert Edelsbrunner et al.	
		Filing Date: June 29, 2000	Group 2763
AB	20	Eck et al., "Automatic Reconstruction of B-Spline Surfaces of Arbitrary Topological Type," Computer Graphics Proceedings, Annual Conference Series, SIGGRAPH 96, New Orleans, LA, August 4-9, 1996, pp. 325-334	
	21	Garland et al., "Surface Simplification Using Quadric Error Metrics," Computer Graphics Proceedings (SIGGRAPH), 1997, pp. 209-216	
	22	Hagen et al., "Variational Design with Boundary Conditions and Parameter Optimized Surface Fitting," Geometric Modeling: Theory and Practice, Springer-Verlag, 1997, pp. 3-13	
	23	Hsu et al., "Minimizing the Squared Mean Curvature Integral for Surfaces in Space Forms," Experimental Math, Vol. 1, 1992, pp. 191-207	
	24	Lee et al., "MAPS: Multiresolution Adaptive Parameterization of Surfaces, Computer Graphics Proceedings (SIGGRAPH), 1998, pp. 95-104	
	25	Nakamoto, Atsuhiko, "Diagonal Transformations in Quadrangulations of Surfaces," Journal of Graph Theory, Vol. 21, No. 3, 1996, pp. 289-299	
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↓	27	Yang et al., "Segmentation of measured point data using a parametric quadric surface approximation," Computer-Aided Design 31, 1999, pp. 449-457	

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	2	6,256,039	07/03/01	Krishnamurthy	345	420	
	3	6,256,038	07/03/01	Krishnamurthy	345	419	
	4	6,208,347	03/27/01	Migdal et al.	345	419	
	5	6,205,243	03/20/01	Migdal et al.	382	154	
	6	6,176,427	01/23/01	Antognini et a.	235	454	
	7	6,133,921	10/17/00	Turkiyyah et al.	345	420	
	8	6,108,006	08/22/00	Hoppe	345	423	
	9	6,100,893	08/08/00	Ensz et al.	345	420	
	10	6,044,170	03/28/00	Migdal et al.	382	154	
	11	5,995,650	11/30/99	Migdal et al.	382	154	
	12	5,886,702	03/23/99	Migdal et al.	345	423	
	13	5,760,783	06/02/98	Migdal et al.	245	430	
	14	5,617,322	04/01/97	Yokota	364	468.04	
	15	5,600,060	02/04/97	Grant	73	147	
	16	5,566,281	10/15/96	Tokumasu et al.	395	120	
	17	5,506,947	04/09/96	Taubin	395	133	
AB	18	4,719,585	01/12/88	Cline et al.	364	518	

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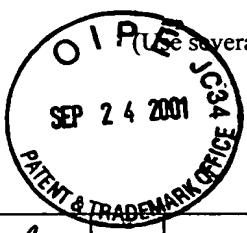
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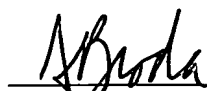
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		Filing Date: June 29, 2000	RECEIVED SEP 25 2001 Technology Center 2763
MB	20	Bajaj et al., "Modeling with Cubic A-Patches," ACM Transactions on Graphics, Vol. 14, No. 2, April 1995, pp. 103-133.	
	21	Bajaj et al., "The Contour Spectrum," IEEE, 1997, pp. 167-173	
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	25	Bowyer, A. "Computing Dirichlet tessellations", The Computer Journal, Vol. 24, No. 2, 1981, pp. 162-166	
	26	Curless et al., "A Volumetric Method for Building Complex Models from Range Images," Computer Graphics Proceedings, Annual Conference Series, 1996, pp. 303-312	
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	31	Edelsbrunner et al., "Three-Dimensional Alpha Shapes," ACM Transactions on Graphics, Vol. 13, No. 1, January 1994, pp. 43-72.	
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	35	Hoppe et al., "Mesh Optimization," Computer Graphics Proceedings, Annual Conference Series, 1993, pp. 19-26	
	36	Hoppe et al., "Surface Reconstruction from Unorganized Points," Computer Graphics, Vol. 26, No. 2, July 1992, pp. 71-78	
	37	Joe, Barry, "Construction of three-dimensional Delaunay triangulations using local transformations," Computer Aided Geometric Design, Vol. 8, 1991, pp. 123-142	

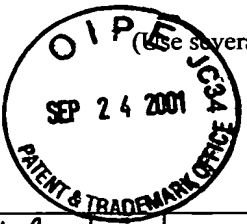



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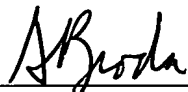
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		<b>Applicants:</b> Herbert Edelsbrunner et al.	
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	38	Krishnamurthy, et al., "Fitting Smooth Surfaces to Dense Polygon Meshes," SIGGRAPH 96, New Orleans, Louisiana, August 4-9, 1996, pp. 313-324	
	39	Loop, Charles, "Smooth Spline Surfaces over Irregular Meshes," Computer Graphics Proceedings, Annual Conference Series, 1994, pp. 303-310	
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	2	6,064,771	5/2000	Migdal et al.	382	232	
	3	5,991,437	11/1999	Migdal et al.	382	154	
	4	5,945,996	8/1999	Migdal et al.	345	420	
	5	5,870,220	3/1999	Migdal et al.	359	216	
	6	5,850,229	12/15/98	Edelsbrunner et al.	345	473	
	7	5,440,674	8/1995	Park	395	123	
	8	5,214,752	5/1993	Meshkat et al.	395	123	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AB	9	Eck et al., "Automatic Reconstruction of B-Spline Surfaces of Arbitrary Topological Type," Computer Graphics Proceedings, Annual Conference Series, 1996, pp. 325-324.					
	10	Edelsbrunner et al., "Simulation of Simplicity: A Technique to Cope with Degenerate Cases in Geometric Algorithms," ACM Transactions on Graphics, Vol. 9, No. 1, January 1990, pp. 66-104.					
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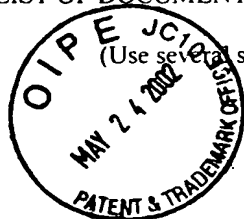
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	2	5,883,631	3/16/99	Konno et al.	345	423	
	3	5,815,401	9/29/98	Otsuki et al.	364	474.31	
	4	5,726,896	3/10/98	Jia et al.	364	474.29	
	5	5,701,404	12/23/97	Stevens et al.	395	123	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet	1	of	1
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Application Number	09/607,122
Filing Date	June 29, 2000
First Named Inventor	Edelsbrunner et al.
Group Art Unit	2123
Examiner Name	Samuel Broda
Attorney Docket Number	9220-2

U.S. PATENTS AND PATENT PUBLICATIONS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
<b>AB</b> ↓	1	US-6,654,690		Rahmes et al.	11/2003
	2	US-6,417,860		Migdal et al.	07/2002
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